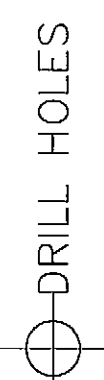
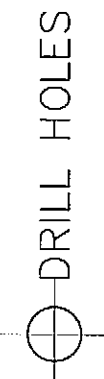


BY: \$USERNAME\$



PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF US 29 (COLESVILLE RD.) NB AND MD 193 (UNIVERSITY EAST) EB.

LANES MONITORED NB - 4 THRU, & 1 DEDICATED RIGHT
LANES MONITORED EB - 1 DEDICATED LEFT, 3 THRU, & 1 DEDICATED RIGHT

INTERSECTION OPERATION

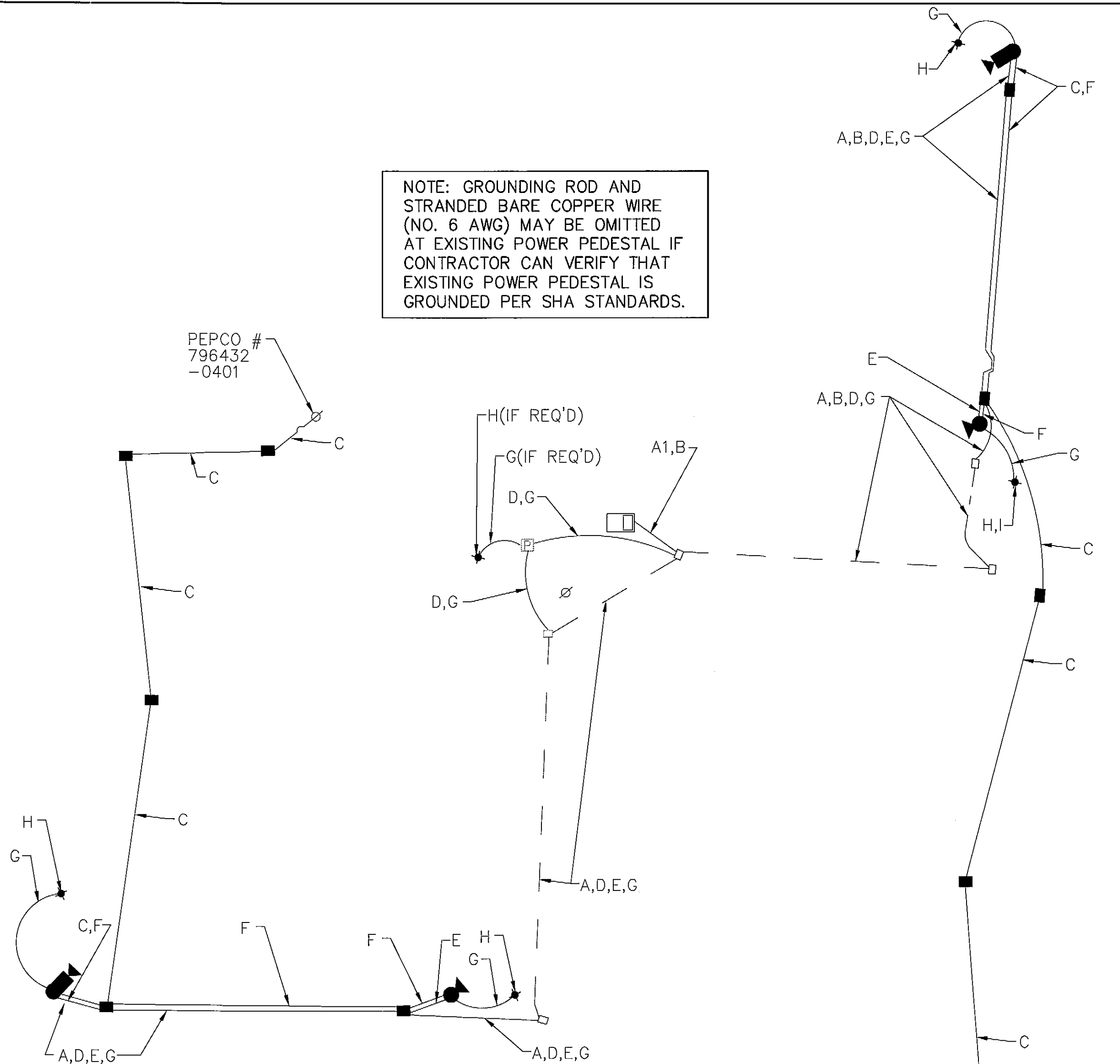
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA
NONE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
4	CY	TEST PIT EXCAVATION
2	EA	RLCS-1 CAMERA ASSEMBLY
4	EA	RLCS-1 FLASH ASSEMBLY
4	EA	SENSYS RECEIVER ASSEMBLY
1	EA	10' PEDESTAL POLE
3	EA	14' PEDESTAL POLE
10	EA	#5 PULL BOXES
1	EA	20 AMP SERVICE PEDESTAL BREAKER
850	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
225	LF	4 IN PVC CONDUIT (SCHEDULE 80) - BORED
825	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR
5	EA	ELECTRICAL CABLE (NO. 14 AWG)
600	LF	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
1400	LF	POWER (3) #10 CONDUCTORS THHN
700	LF	(HOT, NEUTRAL, AND GROUND)
600	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
5.50	CY	115 V POWER 4 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
		STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
		CONCRETE FOR PEDESTAL POLE FOUNDATIONS
		(1) 3" PVC 90, (1) 2" PVC 90 AND (1) 1" PVC 90 EACH



WIRING KEY

- A 7-CONDUCTOR CABLE (NO. 14 AWG) ALL LANES
- A1 (2) 7-CONDUCTOR CABLE (NO. 14 AWG) ALL LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG) LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- H PROPOSED GROUNDING ROD 3/4 IN. X 10 FT. LENGTH

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP (301-279-1291) AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
 - * MONTGOMERY COUNTY ENGINEER - KAMAL HAMUD 240-777-8761
 - * MONTGOMERY COUNTY TECHNICIAN SUPERVISOR ROBERT RICKETS 240-876-3681
6. CONTACT SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.
 - * SHA INSPECTION TEAM LEADER - ADRIAN PUGH 410-787-7645

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
G1 WIRING KEY
US 29 (COLESVILLE ROAD) NB AND
MD 193 (UNIVERSITY BOULEVARD EAST) EB

APPROVALS	REVISIONS	SCALE NONE ADVERTISED DATE CONTRACT NO.
TEAM LEADER	RED LIGHT CAMERA INSTALLATION TIMS # L425 AND L448 JSC 8-7-08	DESIGNED BY COUNTY MONTGOMERY
ASST. DIV. CHIEF	F INSTALL APS ALONG EB MD 193 SHA NO. XX4495185 8-3-05	DRAWN BY LOGMILE
DIVISION CHIEF	E INSTALL COUNTDOWN PEDS SHA NO. AT5825185	CHECKED BY TMS NO.
OFFICE DIRECTOR		F.A.P. NO. TOD NO.
		DRAWING NO. OF SHEET NO. 2 OF 2

PLOTTED: \$DATE\$
FILE: \$FILE\$